

PAKSUD HÜDROISOLATSIOONIMATERJALID
POLÜMEERMODIFITSEERITUD BITUUMENIST.
MÄÄRATLUSED JA NÕUDED

Polymer modified bituminous thick coatings for
waterproofing - Definitions and requirements

EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN 15814:2011+A2:2015 sisaldab Euroopa standardi EN 15814:2011+A2:2014 ingliskeelset teksti.	This Estonian standard EVS-EN 15814:2011+A2:2015 consists of the English text of the European standard EN 15814:2011+A2:2014.
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English Version

Polymer modified bituminous thick coatings for waterproofing - Definitions and requirements

Revêtements bitumineux épais modifiés aux polymères
pour imperméabilisation - Définitions et exigences

Kunststoffmodifizierte Bitumendickbeschichtungen zur
Bauwerksabdichtung - Begriffe und Anforderungen

This European Standard was approved by CEN on 14 July 2011 and includes Amendment 1 approved by CEN on 20 August 2012 and Amendment 2 approved by CEN on 6 October 2014.

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Foreword

This document (EN 15814:2011+A2:2014) has been prepared by Technical Committee CEN/TC 361 "Project Committee - Thick synthetic modified bitumous coating masses - Definitions and requirements/Test methods", the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2015, and conflicting national standards shall be withdrawn at the latest by September 2016.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document includes Amendment 1, approved by CEN on 2012-08-20 and Amendment 2, approved by CEN on 2014-10-06.

This document supersedes A2 EN 15814:2011+A1:2012 A2.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1 and A2 A2.

A1 This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive, see informative Annex ZA, which is an integral part of this document. A1

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1 Scope

This European Standard specifies the definitions and requirements of prefabricated polymer modified bituminous thick coatings used for the waterproofing of below ground structures. It applies to both one-component and two-component products. These products can be used with or without inlay.

This European Standard does not apply to products that are to be used for roof waterproofing.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 459-2:2010, *Building lime - Part 2: Test methods*

EN 1931, *Flexible sheets for waterproofing - Bitumen, plastic and rubber sheets for roof waterproofing - Determination of water vapour transmission properties*

EN 13238, *Reaction to fire tests for building products - Conditioning procedures and general rules for selection of substrates*

EN 13501-1, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 13823, *Reaction to fire tests for building products - Building products excluding floorings exposed to the thermal attack by a single burning item*

EN 15812, *Polymer modified bituminous thick coatings for waterproofing - Determination of crack bridging ability*

EN 15813, *Polymer modified bituminous thick coatings for waterproofing - Determination of flexibility at low temperatures*

EN 15815, *Polymer modified bituminous thick coatings for waterproofing - Resistance to compression*

EN 15816, *Polymer-modified bituminous thick coatings for waterproofing - Resistance to rain*

EN 15817, *Polymer modified bituminous thick coatings for waterproofing - Water resistance*

EN 15818, *Polymer modified bituminous thick coatings for waterproofing - Determination of dimensional stability at high temperature*

EN 15819, *Polymer modified bituminous thick coatings for waterproofing - Reduction of the thickness of the layer when fully dried*

EN 15820, *Polymer modified bituminous thick coatings for waterproofing - Determination of watertightness*

EN ISO 1183-1, *Plastics - Methods for determining the density of non-cellular plastics - Part 1: Immersion method, liquid pycnometer method and titration method (ISO 1183-1)*

ISO 2811-1:2011, *Paints and varnishes — Determination of density — Part 1: Pycnometer method (ISO 2811-1:1997)*

A2 deleted text **A2**

EN ISO 3251, *Paints, varnishes and plastics - Determination of non-volatile-matter content (ISO 3251:2008)*

EN ISO 3451-1, *Plastics - Determination of ash - Part 1: General methods (ISO 3451-1:2008)*

EN ISO 3923-1, *Metallic powders - Determination of apparent density - Part 1: Funnel method (ISO 3923-1:2008)*

EN ISO 11925-2, *Reaction to fire tests — Ignitability of products subjected to direct impingement of flame — Part 2: Single-flame source test (ISO/FDIS 11925-2:2010)*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

crack bridging ability

ability of a product to bridge a crack that originates below ground under specified conditions and without damage

3.2

free film

cured polymer modified bituminous coating emulsion based, which is tested without being applied to a substrate

3.3

inlay

industrially produced material, which is incorporated as an intermediate layer when applying the coating

3.4

PMBC

A1 Polymer **M**odified **B**ituminous thick **C**oating emulsion based, with or without admixtures, such as additives and mineral aggregates, comprising of one or two components **A1**

3.5

pressure water

water in ground with hydrostatic pressure

4 Requirements

A2

4.1 General **A2**

All PMBC according to this European Standard have to fulfil the general requirements of Table 1.